

PAMLICO RIVER BASIN

02081500 TAR RIVER NEAR TAR RIVER, NC

LOCATION.--Lat 36°11'41", long 78°35'00", Granville County, Hydrologic Unit 03020101, on right bank 90 ft upstream from bridge on State Highway 96, 1.2 mi upstream from Fishing Creek, 2.5 mi east of town of Tar River, and 8 mi south of Oxford.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 972: 1940-41. WSP 1112: 1941 (calendar year figures). WSP 1273: 1941(M). WSP 1723:

GAGE.--Water-stage recorder and concrete control with sharp-crested weir. Datum of gage is 287.25 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Occasional intermittent diversion for irrigation. Maximum discharge for period of record from rating curve extended above 11,500 ft³/s, by logarithmic plotting. Minimum discharge for current water year also occurred Aug. 13, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	1.6	2.1	4.1	38	14	170	12	4.8	1.3	0.96	322
2	2.1	1.3	2.1	3.9	32	15	179	11	4.3	1.2	0.89	162
3	1.9	1.5	2.1	4.8	27	32	105	11	3.9	0.96	0.75	57
4	1.8	1.6	2.1	5.7	25	261	76	12	3.3	0.96	0.69	31
5	2.0	1.6	2.1	5.6	22	129	60	14	2.9	0.96	0.69	18
6	2.1	1.6	1.9	9.3	20	70	61	15	3.9	0.87	0.58	12
7	1.6	1.6	1.9	32	99	53	45	15	3.8	0.82	0.53	7.6
8	1.5	1.3	2.0	34	235	43	37	14	3.1	0.74	0.43	5.3
9	1.4	1.6	1.9	28	156	49	34	14	2.8	0.64	0.34	4.2
10	1.5	1.6	2.0	25	87	36	42	33	2.6	0.59	0.26	3.4
11	1.3	1.8	12	26	67	30	44	31	2.6	1.3	0.25	2.9
12	1.1	1.9	15	24	56	27	39	21	2.6	1.6	0.19	2.3
13	1.0	1.8	11	27	46	28	35	16	2.6	1.2	0.22	2.2
14	1.6	1.8	10	24	38	30	33	14	2.5	1.1	0.24	1.9
15	6.0	3.4	7.4	21	33	28	35	11	2.2	0.96	0.30	3.2
16	3.9	2.0	6.3	17	29	26	30	12	2.1	0.84	0.61	3.4
17	1.9	1.9	5.5	16	27	29	27	12	2.0	0.75	0.77	1.9
18	1.9	1.9	6.1	13	25	81	25	12	1.9	0.69	0.68	1.7
19	1.9	1.9	6.3	48	23	300	24	10	1.6	0.72	1.1	1.8
20	1.6	1.7	6.1	628	21	166	22	9.3	1.3	0.87	1.2	1.2
21	1.5	1.6	5.2	267	21	122	21	8.6	1.3	3.4	0.80	0.87
22	1.6	1.4	4.9	170	20	119	21	8.3	1.3	3.8	0.61	0.65
23	1.5	1.2	4.8	183	18	87	20	8.2	1.3	2.0	0.41	0.41
24	1.3	1.7	5.2	452	18	64	18	7.8	1.1	3.2	0.37	0.30
25	1.4	2.2	4.9	284	16	53	16	7.0	0.98	2.9	0.30	0.29
26	1.7	2.3	4.8	217	16	47	15	6.7	0.96	1.6	6.8	0.22
27	1.7	2.3	4.8	125	15	318	14	7.2	1.0	1.9	3.9	0.33
28	1.5	2.3	4.6	80	14	240	14	6.2	2.3	1.9	2.5	0.34
29	1.1	2.1	4.7	61	---	130	13	5.5	2.1	1.6	1.4	0.39
30	1.2	2.2	4.4	51	---	85	12	5.1	1.6	1.4	5.5	0.36
31	1.4	---	4.1	44	---	83	---	4.8	---	1.1	28	---
TOTAL	56.3	54.7	158.3	2930.4	1244	2795	1287	374.7	70.74	43.87	62.27	649.16
MEAN	1.816	1.823	5.106	94.53	44.43	90.16	42.90	12.09	2.358	1.415	2.009	21.64
MAX	6.0	3.4	15	628	235	318	179	33	4.8	3.8	28	322
MIN	1.0	1.2	1.9	3.9	14	14	12	4.8	0.59	0.19	0.22	
CFSM	0.01	0.01	0.03	0.57	0.27	0.54	0.26	0.07	0.01	0.01	0.01	0.13
IN.	0.01	0.01	0.04	0.65	0.28	0.62	0.29	0.08	0.02	0.01	0.01	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	64.13	108.3	142.3	255.7	315.5	335.7	213.2	117.4	75.59	78.07	74.29	83.69
MAX	565	599	558	819	798	1047	676	475	488	677	542	939
(WY)	1972	1973	1973	1978	1960	1998	1978	1978	1982	1975	1955	1999
MIN	0.41	0.28	4.39	7.04	44.4	61.0	33.1	12.1	2.36	0.92	1.39	0.28
(WY)	1971	1942	1942	1942	2002	1981	1995	2002	2002	1966	1976	1968

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1940 - 2002
ANNUAL TOTAL	34137.5	9726.44	
ANNUAL MEAN	93.53	26.65	154.5
HIGHEST ANNUAL MEAN			336
LOWEST ANNUAL MEAN			26.6
HIGHEST DAILY MEAN	4430	Mar 30	2002
LOWEST DAILY MEAN	1.0	Oct 13	1973
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 7	1977
MAXIMUM PEAK FLOW		815	1996
MAXIMUM PEAK STAGE		4.76	1996
INSTANTANEOUS LOW FLOW		0.16*	1977
ANNUAL RUNOFF (CFSM)	0.56	0.16	0.93
ANNUAL RUNOFF (INCHES)	7.60	2.17	12.57
10 PERCENT EXCEEDS	144	61	321
50 PERCENT EXCEEDS	19	4.3	43
90 PERCENT EXCEEDS	1.8	0.81	3.3

* See REMARKS.

02081500 TAR RIVER NEAR TAR RIVER, NC--Continued

